Current Bibliography of Publications on Waste Heat Utilization in Aquaculture

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La page couverture porte le nom de l'établissement auteur où l'on peut se procurer les rapports sous couverture cartonnée.

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CURRENT BIBLIOGRAPHY OF PUBLICATIONS ON WASTE HEAT UTILIZATION IN AQUACULTURE

by

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TABLE OF CONTENTS

	Page
Abstract/Résumé	iv
Introduction	1
Acknowledgments	1
Author Index	2
Selected Subject Index	11
Appendix 1: Information request letter	13

ABSTRACT

Papst, M.H., G.B. Ayles and J.G.I. Lark. 1981. Current bibliography of publications on waste heat utilization in aquaculture. Can. MS Rep. Fish. Aquat. Sci. 1598: iv + 13 p.

This report is a current listing of periodical papers, technical reports, and books containing information on the utilization of waste heat in aquaculture. An index provides access to the publications by individual authors, and selected subjects.

Key words: aquaculture; bibliographic information; waste heat.

RESUME

Papst, M.H., G.B. Ayles and J.G.I. Lark. 1981. Current bibliography of publications on waste heat utilization in aquaculture. Can. MS Rep. Fish. Aquat. Sci. 1598: iv + 13 p.

Voici une liste courante de publications périodiques, rapports techniques et livres contenant de l'information sur les moyens de faire profiter l'aquaculture de la chaleur perdue. Un index des auteurs et des sujets traités rend l'accès facile à ces publications.

Mots-clés: aquaculture; renseignements bibliographiques; chaleur perdue.

INTRODUCTION

Rising costs for energy have stimulated interest in the more efficient utilization of energy resources that would otherwise be wasted. Similarly, increasing food costs and projected future food shortages have stimulated interest in innovative ways of producing food. Aquaculture is increasingly being seen as presenting opportunities to link waste heat resources with a food production system.

Unfortunately most of the work in waste heat aquaculture has not been published in the primary literature and is not easy to find. This index bibliography was compiled to assist in the retrieval of waste heat in aquaculture. The articles included here were obtained as a result of: manual searching of journals and trade magazines; a manual search of Aquaculture Digest, and a search of computer abstract files (CAN/OLE:NTIS and BIOSIS Previews; OL: ASFA). In addition a form request for information letter (appendix 1) was used to canvass individuals, institutions, government agencies and corporations.

The titles are listed in alphabetical order by the author's name and we have included a selected subject index. Many of the references are from special or limited industrial or government publications. For publications from such sources we have tried to include an address where they can be obtained. Cost considerations make it impossible to provide copies of such publications. On request we will, however, provide assistance in obtaining publications whenever possible.

This index is current as of spring 1980. We hope to publish supplements in the future and welcome contributions of material we have overlooked.

We hope that this bibliography will be a source of reference materials, that will stimulate further interest in the potential of waste heat utilization for aquaculture and will assist in the assessment of existing or planned facilities.

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SELECTED SUBJECT INDEX

CULTURED ANIMALS

Baltic Salmon *(Salmo salar)*

Tuunainen, P. et al. 1980
Westman, K. et al. 1980

Brown Shrimp *(Penaeus aztecus)*

Gould, R.A. et al. 1973

Carp *(Cyprinus sp.)*

Backiel, T. 1975
Harvey, G. 1979
Huisman, E.A. 1979 a,b

Catfish *(Ictalurus sp.)*

Bond, B.J.,& Russ, P.H. 1977
Chen, T.H. 1976
Hefferan, B.E. 1974 a,b
Hilge, V. 1980
Kelley, J.F. 1973
Murphy, J.P.,& Lepper, R.I. 1970
Pickering, C.W. 1970
Swindell, H. 1978
Tilton, J.E.,& Kelley, J.E. 1970

Eels *(Anguilla anguilla)*

Harvey, G. 1979
Koops, H.,& Kuhlmann, H. 1980 a (E3)
Koops, H.,& Kuhlmann, H. 1980 b (E4)
Nemoto, K. 1980
Passanza, T. 1978

Finfish

Sylvester, J.R. 1975

Freshwater Shrimp

Eble, A.F. 1975
Eble, A.F. 1976
Farmanfarmian, A. 1977
Guerra, C.R. et al. 1977

Lobster *(Homarus americanus)*

Botsford, L.W. 1977
Dorband, W.R. et al. 1976
Ford, R.F.,& Krekorian, C.O. 1973
Ford, R.F. et al. 1976
Hughes, J.T.,& Sullivan, J.J. 1972

Macrobrachium *(M. rosenbergii)*

Anonymous 1973
Cohen, D. 1976
DeBlois, N. 1978
Eble, A.F. 1975
Eble, A.F. et al. 1976 & 1977
Farmanfarmian, A.,& Lauterio, T. 1979
Farmanfarmian, A. et al. 1978
Farmanfarmian, A.,& Moore, R. 1979
Rosenblum, M. 1978
Taylor, R.E.,& Lee, D.V.M. 1979 & 1978

Mussels *(Mytilus edulis)*

Lutz, R.A.,& Porter, B. 1977

Oyster *(Crassostrea virginica)*

Anonymous 1975
Feng, S.Y.,& Campbell, G.S. 1974
McNeil, W.J. 1970
Picardi, A.C. 1973
Price, A.H. et al. 1976
Timmons, D. 1971

Paenaeid Shrimp

Mori, E. 1969

Redfish *(Sciaenops ocellata)*

Luebke, R.W.,& Strawn, K. 1973

Soft Shell Crabs

Reimer, R.D.,& Strawn, K. 1973

Striped Bass *(Roccus saxitilis)*

Wainwright, C.R. 1978

Striped Mullet *(Mugil cephalus Linnaeus)*

Linder, D.R. et al. 1975

Trout *(Salmo gairdneri)*

Ayles, G.B. et al. 1980
Buyanov, N.L. et al. 1976
Eble, A.F. 1975
Eble, A.F. et al. 1976
Guthrie, J.E. et al. 1975
Khalifa, A. et al. 1976
Rogers, A.,& Cane, A. 1980

Turbot *(Scophtalmus maximus)*

Jones, A.,& Brown, J.A.G. 1980

HEAT SOURCE

Electric Power Plant

Boersma, L. 1970
Eble, A.F. 1975
Eble, A.F. et al. 1976
Eble, A.F. et al. 1977
Feng, S.Y.,& Campbell, G.S. 1974
Godfriaux, B.L.,& Shafer, R.R. 1978
Harvey, G. 1979
Linder, D.R. et al. 1975
McNeil, J.W. 1970
Marcellow, R.A. Jr. 1972
Olszewski, M. 1978
Sylvester, J.R. 1975
Tanaka, J. 1977
Trzebratowski, R. 1980
Yee, W.C. 1971

Fossil Fuel Generating Plant

Armstrong, G.C. 1975
Bond, B.J.,& Russ, P.R. 1977
Tanaka, J.,& Suzuki, S. 1966

Geothermal

Anonymous 1978
Cohen, D. 1976
Cole, L.C. 1969
Csavas, I.,& Varadi, L. 1980

Nuclear Power Plant

Armstrong, G.C. 1975
Balligand, P. 1977
Buyanov, N.L. et al. 1976
Lutz, R.A.,& Porter, B. 1977
Olszewski, M.,& Bigelow, H.R. 1978
Price, A.H. et al. 1976
Kyther, J.H. 1977

Power Plants (General)

Anonymous 1974
Anonymous 1973
Brown, D.H. 1970
Chen, T.H. 1976
Eble, A.F. 1978
Farmanfarmian, A. 1979
Fleege, F. 1972
Gould, R.A. et al. 1973
Guerra, C.R. et al. 1977
Guthrie, J.E. et al. 1975
Henderson, J.M. 1977
Holmberg, B. 1975
Holt, R.,& Strawn, K. 1977
Huguenin, J.E. & Ryther, J.H. 1974
Iles, R.B. 1963
Ingram, M.V. 1978
Kirk, R.G. 1972-73
Luebke, R.W.,& Strawn, K. 1973

CULTURE TYPE

Fish Breeding

Bulychev, T.N. 1977

Greenhouse, Hatchery - Raceway - Tanks

Ayles, G.B. et al. 1980
Bond, B.J.,& Russ, P.L. 1977
Hodges, C.M. et al. 1970
Huisman, E.A. 1979 a,b
Mayo, R.D. 1971
Olszewski, M. 1979 c
Price, D.R. 1977

Pond Culture

Bronzi, P. 1980
Chamberlain, G. & Strawn, K. 1977
Chen, T.H. 1976
Holt, R. & Strawn, K. 1977
Huisman, E.A. 1979 a,b
Korycka, A.,& Zdanowski, D. 1980
Leopold, M.,& Bninska, M. 1980
Marcellow, R.A., Jr. 1972
Stewart, V. 1972
Tilton, J.E.,& Kelley, J.E. 1970
Yang, Won T. 1970

Sport Fish

Iles, R.B. 1963

OPERATIONS, OVERVIEWS, REVIEWS

Commercial Operations

Archer, J.C.,& Huke, R.E. 1977
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APPENDIX 1.

INFORMATION REQUEST LETTER

Environment Canada / Environnement Canada
Fisheries and Marine / Pêches et Sciences de la mer

To: _____

_____

_____

_____

Your file / Votre référence

Our file / Notre référence

Dear _____ ,

The Aquaculture project is engaged in a review of waste heat management programs and research projects. We understand that you have conducted research in this area. We would like copies of the following documents:

_____

_____

_____

_____

_____

Any additional information that you can make available to us would be appreciated.

Thank you for your assistance in this matter.

Yours truly,

M. H. Papst
Aquatic Ecologist

MHP:ms

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